

Supplemental Table 1: Assignment of the variants for the lipid A backbone of the deacylated LOS from *C. jejuni* GC175 using a basic structure containing Kdo₂Hep₂Hex₂NeuAc₁PEtn₁.

Strain	Lipid A variant	Observed mass	Calculated mass
GC175	GlcN3N-GlcN- <i>PP</i> EtN	2865.8	2864.73
	GlcN3N-GlcN- <i>2PP</i> EtN	2989.5	2987.78
	GlcN3N-GlcN3N- <i>PP</i> EtN	3090.8	3090.11
	GlcN3N-GlcN3N- <i>2PP</i> EtN	3214.3	3213.16